

Chapter 2.1-2.4 Quiz Review

Is it a function?

Is it one-to-one?

Domain?

Range?

Mapping

Graph (note sheet) #10 Restrictions

Set of ordered pairs

$$f(x) = 3x^2 + 5x$$

$$f(2) = 3(2)^2 + 5(2)$$

12 + 10
22

standard form

slope-intercept form

point-slope form

$$Ax + By = C$$

$$y = mx + b$$

$$y - y_1 = m(x - x_1)$$

Graph using intercepts

Graph using slope and y-intercept

Slope $m = \frac{y_2 - y_1}{x_2 - x_1}$

Parallel lines same slope

Perpendicular lines opp. rec.

Vertical lines undefined $x = 4$ Horizontal lines $m = 0$
 $y = 5$

Write an equation given certain information

Variation word problems